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April 30, 2002

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Commissioner for Patents
Washington, D.C. 20231

Box Missing Parts

Re: U.S. Non-Provisional Patent Application
Appl. No. 10/026,952; Filed: December 27, 2001
For: **Primers and Methods for the Detection and Discrimination of Nucleic Acids**
Inventors NAZARENKO *et al.*
Our Ref: 0942.4980006/RWE/AGU
Art Unit: 1623

Sir:

In reply to the Notice to File Missing Parts of Application--Filing Date Granted and Notice to Comply with Sequence Rules dated **January 31, 2002**, Applicants submits the following documents for appropriate action by the U.S. Patent and Trademark Office:

1. PTO Fee Transmittal Form PTO/SB/17;
2. Petition for Extension of Time Under 37 C.F.R. § 1.136(a)(1);
3. Copy of the Notice to File Missing Parts;
4. Preliminary Amendment;
5. Letter to PTO Draftsman: Submission of Formal Drawings;
6. 60 sheets of Formal Drawings with (Figures 1A-1B, 2A-2B, 3-4, 5A-5C, 6-12, 13A-13B, 14-15, 16A-16B, 17A-17B, 18A-18D, 19A-19D, 20A-20D, 21, 22A-22B, 23, 24A-24B, 25A-25B, 26A-26B, 27A-27C, 28-38, 39A-39C, 40, 41A-41B, 42A-42D, 43A-43B, 44A-44B, 45, and 46);

Commissioner for Patents
April 30, 2002
Page 2

7. Paper and computer readable copy of Sequence Listing;
8. Five (5) Original Declarations, executed by the inventors;
9. An original executed Power of Attorney from Assignee;
10. Assignee 37 C.F.R. § 3.73(b) Statement with copy of Five (5) Assignments attached;
11. Our Check No. 35016 for \$3,732.00 to cover:
\$ 740.00 Filing Fee for Patent Application (37 C.F.R. § 1.16)
\$ 110.00 Extension of Time fee;
\$2,752.00 Fee for excess claims (37 C.F.R. § 1.16); and
\$ 130.00 Surcharge for late filing of Declaration (37 C.F.R. § 1.16); and
12. Return postcard.

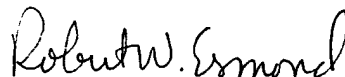
It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier.

In accordance with 37 C.F.R. § 1.821(f), the paper copy and the computer readable copy of the Sequence Listing submitted herewith are the same. In accordance with 37 C.F.R. § 1.821(g), the submission of this sequence listing includes no new matter.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. If extensions of time under 37 C.F.R. § 1.136 other than those otherwise provided for herewith are required to prevent abandonment of the present patent application, then such extensions of time are hereby petitioned, and any fees therefor are hereby authorized to be charged to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Robert W. Esmond
Attorney for Applicants
Registration No. 32,893

Enclosures

SKGF_DC1 8750 1

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2002 <i>Patent fees are subject to annual revision.</i>		Complete if Known	
		Application Number	10/026,952
		Filing Date	December 27, 2001
		First Named Inventor	Irina NAZARENKO
		Examiner Name	To be assigned
		Group Art Unit	1623
		Attorney Docket No.	0942.4980006/RWE/AGU
TOTAL AMOUNT OF PAYMENT		(\$) 3,732.00	

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)																																																																																																																																																																																																										
<p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Deposit Account Number</td> <td>19-0036</td> </tr> <tr> <td>Deposit Account Name</td> <td>Sterne, Kessler, Goldstein & Fox P.L.L.C.</td> </tr> </table> <p><input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p><input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input checked="" type="checkbox"/> Other*</p> <p><small>*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036</small></p>	Deposit Account Number	19-0036	Deposit Account Name	Sterne, Kessler, Goldstein & Fox P.L.L.C.	<p>3. ADDITIONAL FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large</th> <th>Entity</th> <th>Small</th> <th>Entity</th> <th></th> <th></th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee paid</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td>\$130 00</td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> <td>For filing a request for <i>ex parte</i> reexamination</td> <td></td> </tr> <tr> <td>112</td> <td>920*</td> <td>112</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>113</td> <td>1,840*</td> <td>113</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td>Extension for reply within first month</td> <td>110 00</td> </tr> <tr> <td>116</td> <td>400</td> <td>216</td> <td>200</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>117</td> <td>920</td> <td>217</td> <td>460</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>118</td> <td>1,440</td> <td>218</td> <td>720</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>128</td> <td>1,960</td> <td>228</td> <td>980</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>119</td> <td>320</td> <td>219</td> <td>160</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>120</td> <td>320</td> <td>220</td> <td>160</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>121</td> <td>280</td> <td>221</td> <td>140</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>138</td> <td>1,510</td> <td>138</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td>Petition to revive - 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SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Robert W. Esmond	Registration No. (Attorney/Agent)	32,893	Telephone	202-371-2600
Signature		Date	April 30, 2002		

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OC000000007396160

240-94-04

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

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LTI 246.4 CIP
SKGF Ref: 0942.4980006/RWE/AGU

Certificate Under 37 C.F.R. § 3.73(b)

Applicant/Patent Owner: 1) Irina NAZARENKO, 2) Ayoub RASHTCHIAN, 3) Joseph SOLUS, 4) Richard M. PIRES, 5) Marlene DARFLER, 6) Gulilat GEBEYEHU, 7) Mekbib ASTATKE

Application No./Patent No.: 10/026,952 Filed/Issue Date: December 27, 2001

Entitled: Primers and Methods for the Detection and Discrimination of Nucleic Acids

Invitrogen Corporation, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest, or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. ☒ An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

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B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

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The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: 3/13/2002

Name: Alan W. Hammond

Title: Chief Intellectual Property Counsel

Signature: Alan Hammond